| Application No. | Applicant(s)     |    |
|-----------------|------------------|----|
| 10/615,897      | AUSTIN, DAVID C. | Н. |
| Examiner        | Art Unit         |    |
| Annette H. Para | 1661             |    |

| 1 | Rejected |
|---|----------|
| = | Allowed  |

|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

| Cla      | im                         | <u> </u> |          |          | _[                                  | Date         | 9        |          |              |              |  |
|----------|----------------------------|----------|----------|----------|-------------------------------------|--------------|----------|----------|--------------|--------------|--|
| Final    | Original                   | 1/21/04  |          |          |                                     |              |          |          |              |              |  |
| 1        | 1                          | =        |          |          |                                     |              |          |          |              |              |  |
|          | 1<br>2<br>3<br>4<br>5<br>6 |          |          |          |                                     |              |          |          |              |              |  |
|          | 3                          |          |          |          |                                     |              |          |          |              |              |  |
|          | 4                          |          |          |          |                                     |              |          |          |              |              |  |
|          | 5                          |          |          |          |                                     |              |          |          |              |              |  |
|          | 6                          | _        |          |          |                                     |              |          |          |              |              |  |
|          |                            | _        |          |          | _                                   |              |          |          |              |              |  |
|          | 8                          | _        |          | _        |                                     |              |          |          | _            | _            |  |
|          | 9                          | $\vdash$ |          |          |                                     |              |          |          | _            | _            |  |
|          | 10                         | -        |          | -        | _                                   | $\vdash$     | $\vdash$ | _        | _            |              |  |
|          | 11                         | -        |          |          |                                     | $\vdash$     | $\vdash$ |          | $\vdash$     | $\vdash$     |  |
|          | 13                         | -        |          | -        |                                     |              |          |          |              | $\vdash$     |  |
|          | 14                         | $\vdash$ | _        |          |                                     | Т            | Н        | $\vdash$ |              | $\vdash$     |  |
| -        | 12<br>13<br>14<br>15       |          |          |          |                                     |              |          |          |              |              |  |
|          | 16                         |          |          |          |                                     |              |          |          |              |              |  |
|          | 17                         |          |          |          |                                     |              |          |          |              |              |  |
|          | 18                         |          |          |          |                                     |              |          |          |              |              |  |
|          | 19                         |          |          |          |                                     |              |          |          |              |              |  |
|          | 20                         |          |          |          |                                     |              | _        | _        |              | _            |  |
|          | 21                         |          |          |          |                                     |              |          |          |              | <u> </u>     |  |
|          | 22<br>23                   |          |          |          |                                     | _            |          |          |              | _            |  |
|          | 23                         |          |          |          |                                     | <u> </u>     |          |          |              |              |  |
|          | 24<br>25                   |          |          |          | -                                   | <u> </u>     | <u> </u> | _        |              | _            |  |
|          | 26                         |          | -        | -        | ├                                   | -            | -        | _        | $\vdash$     | ├            |  |
|          | 27                         |          | -        |          | $\vdash$                            | $\vdash$     | $\vdash$ |          | $\vdash$     | $\vdash$     |  |
|          | 28                         |          |          | -        | ├─                                  | <del> </del> | -        |          | -            | -            |  |
|          | 29                         | -        |          | -        | -                                   | $\vdash$     | -        |          |              | <del> </del> |  |
|          | 30                         |          |          |          | Г                                   | Г            |          |          |              |              |  |
|          | 31                         |          |          |          | Г                                   | Г            | Г        |          | П            |              |  |
|          | 32                         |          |          |          |                                     |              |          |          |              |              |  |
|          | 33                         |          |          |          |                                     | $\Box$       |          |          |              |              |  |
|          | 34                         |          | L.       | <u> </u> | <u> </u>                            | _            | _        | L        | L_           | <u> </u>     |  |
|          | 35                         |          | _        | _        | _                                   | _            |          |          | _            | <u> </u>     |  |
|          | 36                         |          |          | _        | ļ                                   | <u> -</u> -  | -        |          | ļ            |              |  |
|          | 37                         | <u> </u> | <u> </u> | ├        | <u> </u>                            | <u> </u>     | <u> </u> |          |              | <u> </u>     |  |
|          | 38<br>39                   | -        | <u> </u> | -        |                                     | <u> </u>     | <u> </u> |          | <u> </u>     | $\vdash$     |  |
| <u> </u> | 40                         |          | -        | ├        |                                     |              |          | <b></b>  | <del> </del> | -            |  |
| L        | 41                         |          | -        |          |                                     |              | ├        |          | <del> </del> |              |  |
|          | 42                         | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$                            |              |          | $\vdash$ |              |              |  |
|          | 43                         | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$                            | $\vdash$     |          | Т        | $\vdash$     | $\vdash$     |  |
|          | 44                         |          |          |          | Г                                   |              |          |          |              |              |  |
|          | 45                         |          |          | Г        |                                     |              |          |          |              | Г            |  |
|          | 46                         |          |          |          |                                     |              |          |          |              |              |  |
|          | 47                         |          |          |          |                                     |              |          | -        |              |              |  |
|          | 48                         |          |          |          |                                     |              |          |          |              |              |  |
|          | 49                         |          |          | L        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |              | L_       |          |              |              |  |
| l        | 50                         |          | "        |          |                                     |              |          |          |              |              |  |

| Claim |                            | Date     |  |  |  |  |          |          |          |          |  |  |
|-------|----------------------------|----------|--|--|--|--|----------|----------|----------|----------|--|--|
| Final | Original                   |          |  |  |  |  |          |          |          |          |  |  |
|       | 51                         |          |  |  |  |  |          |          |          |          |  |  |
|       | 51<br>52<br>53<br>54<br>55 |          |  |  |  |  |          |          |          |          |  |  |
|       | 53                         |          |  | L_   |  |  |          |          | _        |          |  |  |
|       | 54                         |          |  | ļ  |  |  |          |          |          |          |  |  |
|       | 56                         |          | -  |  |  | i  |          |          |          |          |  |  |
|       | 57                         |          |  | -  |  |  |          |          |          | _        |  |  |
|       | 57<br>58                   |          |  |  |  | -  | -        |          |          |          |  |  |
|       | 59                         |          |  |  |  | -  | _        | _        |          |          |  |  |
|       | 60                         |          |  |  |  |  |          |          |          |          |  |  |
|       | 61                         |          |  |  |  |  |          |          |          |          |  |  |
|       | 62                         |          |  |  |  |  |          |          |          |          |  |  |
|       | 63                         |          | <u> </u>   | $\vdash$   | <u> </u>   | <u> </u>   |          |          | <u> </u> |          |  |  |
|       | 64                         |          | _  | _  | _  | H  | $\vdash$ |          | _        | Н        |  |  |
|       | 65<br>66                   | _        | -  |  |  | -  | _        | -        | _        | Н        |  |  |
|       | 67                         | -        |  |  |  |  |          |          |          | -        |  |  |
|       | 68                         | _        |  |  |  | -  |          |          | _        | $\vdash$ |  |  |
| -     | 68<br>69                   |          | П  |  |  |  |          |          |          | $\vdash$ |  |  |
|       | 70<br>71<br>72             |          |  |  |  |  |          |          |          |          |  |  |
|       | 71                         |          |  |  |  |  |          |          |          |          |  |  |
|       | 72                         |          |  |  |  |  |          |          |          |          |  |  |
|       | 73                         |          |  |  |  |  |          | L.       | L        |          |  |  |
|       | 73<br>74<br>75             | _        | _  | _  | _  | <u> </u>   | _        | _        | <u> </u> | Ш        |  |  |
|       | 76                         | -        | -  | -  | _  | -  | -        | _        | $\vdash$ | Н        |  |  |
|       | 77                         | _        |  |  |  | -  |          | -        | -        | H        |  |  |
|       | 76<br>77<br>78<br>79       | _        | <u> </u>   | $\vdash$   | _  | $\vdash$   | $\vdash$ |          | $\vdash$ | $\vdash$ |  |  |
|       | 79                         |          | -  |  |  |  |          |          |          | П        |  |  |
|       | 80                         |          |  |  |  |  |          |          |          |          |  |  |
|       | 81                         |          |  |  |  |  |          |          |          |          |  |  |
|       | 82                         |          |  |  |  | _  |          |          | _        | Ш        |  |  |
|       | 83                         |          |  | _  |  | <u> </u>   | _        | _        | _        | Ш        |  |  |
|       | 84<br>85                   | -        |  | _  | _  |  |          | _        |          | -        |  |  |
| -     | 86                         | _        | $\vdash$   |  | $\vdash$   | _  | $\vdash$ | _        | $\vdash$ | $\vdash$ |  |  |
|       | 87                         |          |  | -  |  | -  | -        |          | -        | -        |  |  |
|       | 88                         |          |  |  | $\vdash$   | $\vdash$   | $\vdash$ |          | $\vdash$ | Н        |  |  |
|       | 89                         |          |  | Г  | Г  |  |          |          |          | П        |  |  |
|       | 90                         |          |  |  |  |  |          |          |          |          |  |  |
|       | 91                         |          |  |  | _  | ــــا  |          |          | _        | Ш        |  |  |
|       | 92                         | _        | <u> </u>   | _  | _  | <u> </u>   | _        | _        | <u> </u> | Ш        |  |  |
|       | 93                         |          | <u> </u>   | <u> </u>   | _  | $\vdash$   | $\vdash$ | _        | $\vdash$ | Н        |  |  |
|       | 94<br>95                   | _        | $\vdash$   | $\vdash$   | H  | $\vdash$   | -        | <u> </u> | -        | Н        |  |  |
|       | 96                         |          | $\vdash$   | $\vdash$   | -  | $\vdash$   | -        | -        | -        | $\vdash$ |  |  |
|       | 97                         | -        |  | $\vdash$   | $\vdash$   | <del>                                     </del> | -        | -        | $\vdash$ | Н        |  |  |
|       | 98                         | $\vdash$ | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | $\vdash$   |          | Ι        | -        | Н        |  |  |
|       | 99                         | -        | $\vdash$   |  | $\vdash$   |  |          | $\vdash$ |          | М        |  |  |
|       | 100                        |          |  |  |  |  |          |          |          |          |  |  |
|       |                            |          |  |  |  |  |          |          |          |          |  |  |

| Date Claim |  |              |          |                                     |              |     | Date     |            |          |   |          |          |          |               |            |          |          |
|------------|--|--------------|----------|-------------------------------------|--------------|-----|----------|------------|----------|---|----------|----------|----------|---------------|------------|----------|----------|
|            | 7016   | $\dot{\Box}$ |          |                                     |              |     | - Ole    |            | -        |   |          |          |          | _             |            |          | $\dashv$ |
|            |  |              |          |                                     |              |     | Final    | Original   |          |   |          |          |          |               |            |          |          |
|            |  |              | _        |                                     |              |     |          | 101        |          |   |          |          |          |               |            |          |          |
|            |  |              |          |                                     |              |     |          | 102        |          |   |          |          |          |               |            |          |          |
| _          | Τ  | _            |          |                                     |              |     |          | 103        |          |   |          |          | _        |               | _          |          |          |
| _          |  |              |          | _                                   | _            |     |          | 104        |          |   |          |          | _        |               |            |          |          |
| _          |  | _            | _        | Г                                   |              |     |          | 105        |          |   | _        |          |          |               |            |          |          |
|            | Г  |              | $\vdash$ | Н                                   |              |     |          | 106        |          |   |          |          |          |               |            |          |          |
|            | _  |              | _        | _                                   | $\vdash$     |     |          | 107        |          | _ |          |          |          |               |            |          |          |
| _          | _  | -            | $\vdash$ |                                     |              |     |          | 108        |          | - |          |          |          |               |            |          | $\neg$   |
|            | _  | $\vdash$     | $\vdash$ | _                                   |              |     |          | 109        |          |   | _        | _        | _        |               |            |          |          |
| _          |  |              | 一        | Г                                   |              |     |          | 110        |          |   |          |          |          |               |            |          |          |
|            |  |              | _        | $\vdash$                            | $\vdash$     |     |          | 111        |          |   | _        | _        |          | _             | _          |          |          |
|            | Т  |              |          |                                     |              |     |          | 112        |          |   |          |          | Т        |               |            |          | П        |
| _          | <del>                                     </del> | $\vdash$     | T        | Г                                   |              |     |          | 113        |          |   | П        |          |          |               |            | П        | П        |
|            | <b></b>  | <u> </u>     | <u> </u> |                                     |              |     |          | 114        |          |   |          |          |          |               |            |          | $\Box$   |
| _          |  |              |          |                                     |              | 1 1 |          | 115        |          |   |          |          |          |               |            |          | $\Box$   |
|            | 1  |              | T        |                                     | Г            |     |          | 116        |          |   |          |          |          | _             |            |          | $\Box$   |
|            |  | l            |          | T-                                  |              | 1 1 |          | 117        |          |   |          |          |          |               |            |          |          |
|            | Г  |              |          | Γ                                   |              | 1   |          | 118        |          |   |          | _        |          |               |            |          |          |
|            | Г  |              | Г        |                                     |              |     |          | 119        |          |   |          | Г        |          |               |            |          | П        |
|            |  |              | $\vdash$ |                                     |              |     |          | 120        |          |   |          |          |          | $\overline{}$ | $\vdash$   |          |          |
|            |  |              |          |                                     |              | 1 1 |          | 121        |          |   |          |          |          |               |            |          | П        |
|            | Г  |              | Г        |                                     |              | 1 1 |          | 121<br>122 |          |   |          |          | Г        |               |            |          |          |
|            |  |              |          |                                     |              | il  |          | 123        |          |   |          | Г        |          |               |            |          |          |
|            |  |              |          |                                     |              | 1   |          | 124        |          |   |          |          |          |               |            |          |          |
|            |  |              |          |                                     |              |     |          | 125        |          |   |          |          |          |               |            |          |          |
|            |  |              |          |                                     |              |     |          | 126        |          |   |          |          |          |               |            |          |          |
|            |  |              |          |                                     |              |     |          | 127        |          |   |          |          |          |               |            |          |          |
|            |  |              |          |                                     |              | ] [ |          | 128        |          |   |          |          |          |               |            |          |          |
|            |  |              |          |                                     |              |     |          | 129        |          |   |          |          |          |               |            |          |          |
|            |  |              |          |                                     |              |     |          | 130        |          |   |          |          |          |               |            |          |          |
|            |  |              |          |                                     |              |     |          | 131        |          |   |          |          |          |               |            |          |          |
|            | L  | Ĺ            |          | $\Box$                              | L            |     |          | 132<br>133 |          |   |          | L        | L        |               | Ĺ          |          | ╚        |
| _          |  |              |          |                                     |              |     |          | 133        |          |   |          | L        |          |               |            |          |          |
|            |  |              |          |                                     |              |     |          | 134        |          |   |          |          |          |               |            |          |          |
|            | $\Box$   |              |          |                                     |              |     |          | 135        |          |   |          |          |          |               |            |          |          |
| _          |  |              | L        |                                     | L_           |     |          | 136        |          |   | L        | L        |          |               |            | $\Box$   |          |
|            |  |              |          |                                     |              |     |          | 137        |          |   |          |          |          |               |            |          |          |
|            | $\Box$   | _            |          |                                     | $oxed{\Box}$ |     |          | 138        |          |   |          |          |          |               |            | <u>_</u> | Ш        |
| _          | <u> </u>   | _            | _        |                                     | <u> </u>     |     |          | 139        |          |   |          | _        | L        |               | L          | L        | Ш        |
|            | <u> </u>   | <u>L</u>     | <u> </u> | <u> </u>                            | _            |     |          | 140        |          |   | _        |          | ļ        | L             |            | L.,      | Ш        |
|            | <u> </u>   |              | _        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _            |     |          | 141        |          |   | <u> </u> |          | <u> </u> |               | <u> </u>   | <u> </u> | Ш        |
|            | <u> </u>   | _            |          | <u>_</u>                            | <u> </u>     |     |          | 142        | _        |   | L        | <u> </u> | <u> </u> |               | <u> </u>   | _        | Ш        |
|            | <u> </u>   |              | _        | <u> </u>                            |              |     |          | 143        |          |   | <u> </u> | <u> </u> | <u> </u> | <u> </u>      | <u> </u>   | <u> </u> | Щ        |
|            | <u> </u>   | <u> </u>     | L_       |                                     |              |     |          | 144        | <u> </u> | _ | Ь        | <u> </u> | Ь        | _             | <u> </u>   | <u> </u> | Ш        |
| _          | $\vdash$   | _            | <u> </u> |                                     |              |     |          | 145        | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | $\vdash$      | <b> </b> _ | _        | Ш        |
|            | <del>                                     </del> |              | L.       | <u> </u>                            | _            |     | ļ        | 146        | <u> </u> | _ | $\vdash$ | $\vdash$ | <u> </u> | <u> </u>      | <u> </u>   | <u> </u> | Щ        |
|            | <del> </del>                                     | _            | L-       | <u> </u>                            | _            |     |          | 147        | _        |   | <u> </u> | <u> </u> | <u> </u> | L             | <u> </u>   | <u> </u> | Ш        |
| _          | <u> </u>   | _            | <u> </u> | <u> </u>                            |              |     | <u> </u> | 148        |          | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u>      | _          | <u> </u> | Ш        |
| _          | <u> </u>   | Ŀ            | ⊢        | <u> </u>                            | _            |     |          | 149        | <u> </u> |   | <u> </u> | <u> </u> | Ь        | <u> </u>      | <u> </u>   |          | Ш        |
| _          | <u> </u>   | <u> </u>     | L        | <u> </u>                            |              | J   |          | 150        |          |   | L        | <u> </u> | <u></u>  | L_            |            | <u> </u> | Ш        |